SWE Intraday Capacity Calculation external report

This document reports results of the external parallel run from the 20/02/2022 to the 27/02/2022.

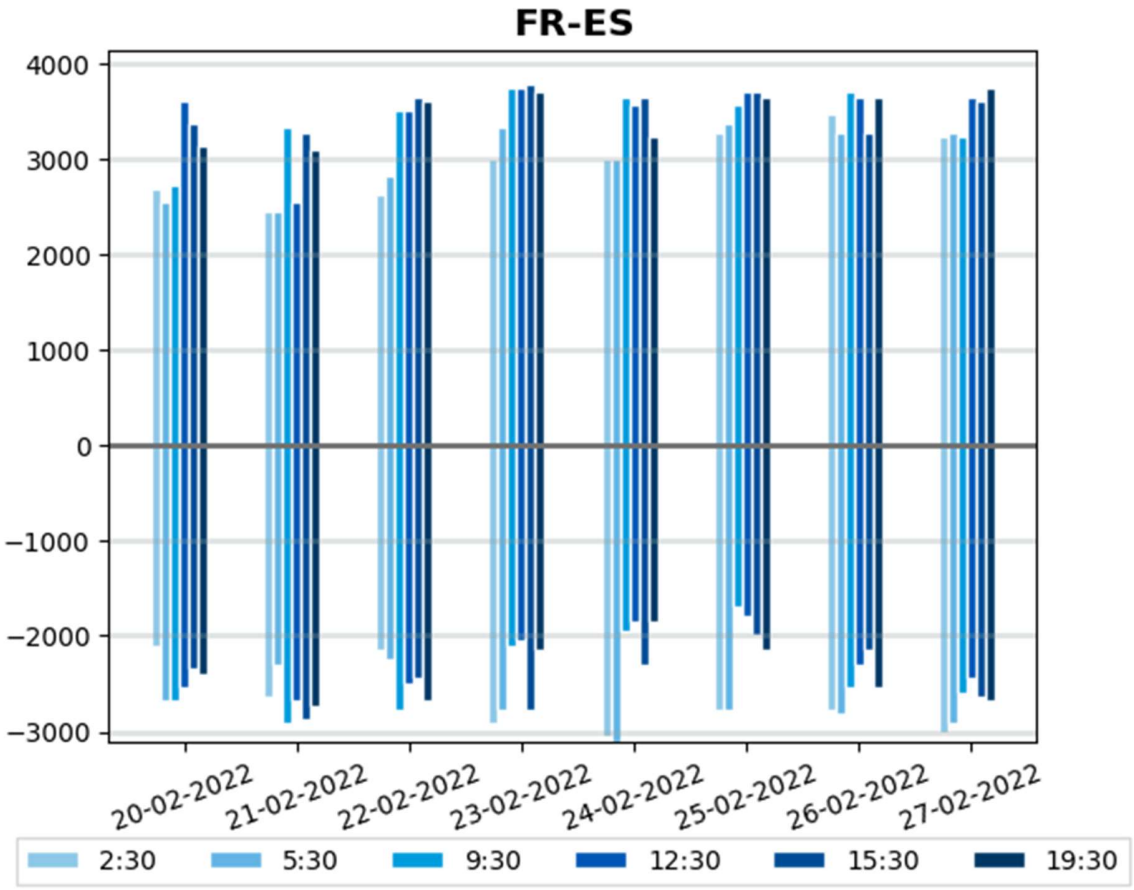
FR-ES NTCs

	2:30				5:30				9:30			
	ES-FR		FR-ES		ES-FR		FR-ES		ES-FR		FR-ES	
	D-2	IDCC 1st run	D-2	IDCC 1st run	D-2	IDCC 1st run	D-2	IDCC 1st run	D-2	IDCC 1st run	D-2	IDCC 1st run
20-02-2022	2775	2100	2543	2682	2682	2682	2590	2543	2450	2682	3145	2728
21-02-2022	2543	2636	2913	2450	2350	2300	2913	2450	2497	2913	3422	3330
22-02-2022	2400	2150	2821	2636	2400	2250	2913	2821	2350	2775	3653	3515
23-02-2022	2636	2913	3283	3006	2250	2775	3515	3330	2400	2100	3700	3746
24-02-2022	2200	3052	3330	3006	2133	3098	3237	3006	1950	1950	3607	3653
25-02-2022	2775	2775	3283	3283	2775	2775	3376	3376	1700	1700	3561	3561
26-02-2022	2775	2775	3468	3468	2821	2821	3283	3283	2497	2543	3561	3700
27-02-2022	3006	3006	3237	3237	2913	2913	3283	3283	2590	2590	3653	3237

*Blue cells represent IT issues that do not require IDCC value replacement. Yellow cells represent IT issues that require IDCC values replacement by D-2 values. Red cells represent IT issues that requires IDCC values replacement but D-2 values were not available hence LTCC values were used.

	12:30				15:30				19:30			
	ES-FR		FR-ES		ES-FR		FR-ES		ES-FR		FR-ES	
	D-2	IDCC 1st run	D-2	IDCC 1st run	D-2	IDCC 1st run	D-2	IDCC 1st run	D-2	IDCC 1st run	D-2	IDCC 1st run
20-02-2022	2543	2543	3607	3607	2350	2350	3376	3376	2400	2400	3145	3145
21-02-2022	2300	2682	3237	2543	2867	2867	3283	3283	2450	2728	3145	3098
22-02-2022	2150	2497	3515	3515	2450	2450	3653	3653	2350	2682	3700	3607
23-02-2022	1850	2050	3746	3746	2497	2775	3746	3792	2450	2150	3607	3700
24-02-2022	1850	1850	3561	3561	2300	2300	3653	3653	1850	1850	3237	3237
25-02-2022	1800	1800	3700	3700	2000	2000	3700	3700	2150	2150	3653	3653
26-02-2022	2250	2300	3515	3653	2202	2150	3330	3283	2682	2543	3422	3653
27-02-2022	2450	2450	3653	3653	2636	2636	3607	3607	2682	2682	3746	3746

*Blue cells represent IT issues that do not require IDCC value replacement. Yellow cells represent IT issues that require IDCC values replacement by D-2 values. Red cells represent IT issues that requires IDCC values replacement but D-2 values were not available hence LTCC values were used.



Comments

On FR-ES border, 49 computations failed during this week of external parallel run.
43 failed computations were replaced by D-2 values as fallback procedure.

3 failed computations were replaced by LT values as fallback procedure.

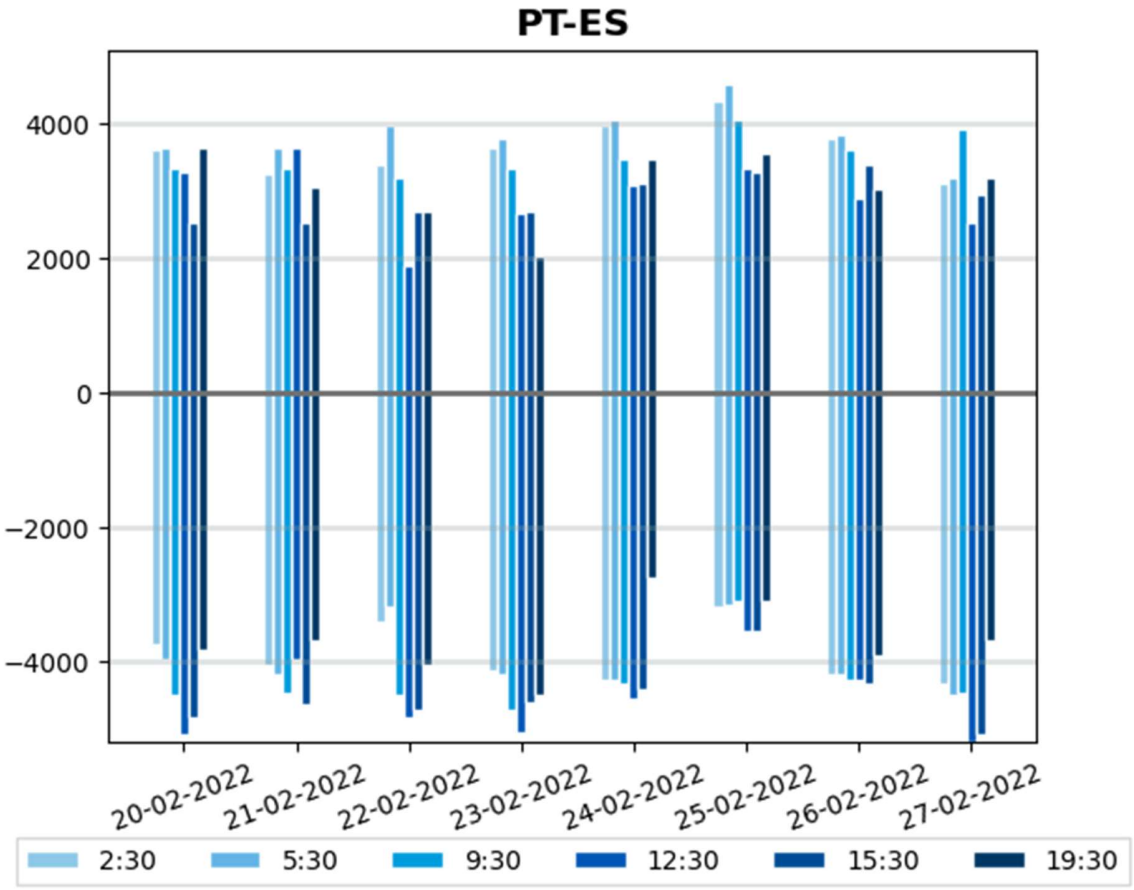
PT-ES NTCs

	2:30				5:30				9:30			
	ES-PT		PT-ES		ES-PT		PT-ES		ES-PT		PT-ES	
	D-2	IDCC 1st run	D-2	IDCC 1st run	D-2	IDCC 1st run	D-2	IDCC 1st run	D-2	IDCC 1st run	D-2	IDCC 1st run
20-02-2022	3645	3735	3915	3600	3690	3960	3915	3645	4275	4500	3690	3330
21-02-2022	3825	4050	3870	3240	4005	4185	4230	3645	4500	4455	3510	3330
22-02-2022	3465	3420	3555	3375	3510	3195	3825	3960	4500	4500	3375	3195
23-02-2022	4005	4140	3195	3645	4365	4185	3690	3780	4590	4725	3060	3330
24-02-2022	4455	4275	3735	3960	4230	4275	3645	4050	4590	4320	3105	3465
25-02-2022	3195	3195	4320	4320	3150	3150	4590	4590	3105	3105	4050	4050
26-02-2022	4185	4185	3780	3780	4185	4185	3825	3825	4185	4275	3735	3600
27-02-2022	4320	4320	3105	3105	4500	4500	3195	3195	4725	4455	2947	3915

*Blue cells represent IT issues that do not require IDCC value replacement. Yellow cells represent IT issues that require IDCC values replacement by D-2 values. Red cells represent IT issues that requires IDCC values replacement but D-2 values were not available hence LTCC values were used.

	12:30				15:30				19:30			
	ES-PT		PT-ES		ES-PT		PT-ES		ES-PT		PT-ES	
	D-2	IDCC 1st run	D-2	IDCC 1st run	D-2	IDCC 1st run	D-2	IDCC 1st run	D-2	IDCC 1st run	D-2	IDCC 1st run
20-02-2022	5085	5085	3267	3267	4815	4815	3293	2520	3825	3825	3645	3645
21-02-2022	4770	3960	3066	3645	4635	4635	2900	2520	3645	3690	3150	3060
22-02-2022	4815	4815	3186	1890	4725	4725	3150	2700	4140	4050	2610	2700
23-02-2022	4815	5040	3189	2655	4590	4590	3173	2700	4545	4500	2070	2025
24-02-2022	4545	4545	3090	3090	4410	4410	3105	3105	2745	2745	3465	3465
25-02-2022	3555	3555	3330	3330	3555	3555	3285	3285	3105	3105	3555	3555
26-02-2022	4410	4275	3223	2880	4455	4320	3133	3375	4275	3915	3105	3015
27-02-2022	5175	5175	2520	2520	5085	5085	2943	2943	3690	3690	3195	3195

*Blue cells represent IT issues that do not require IDCC value replacement. Yellow cells represent IT issues that require IDCC values replacement by D-2 values. Red cells represent IT issues that requires IDCC values replacement but D-2 values were not available hence LTCC values were used.



Comments

On PT-ES border, 48 computations failed during this week of external parallel run.
41 failed computations were replaced by D-2 values as fallback procedure.

4 failed computations were replaced by LT values as fallback procedure.

Limiting elements FR-ES

Please find below the top limiting elements appearing more often over the period:

	CNEs and associated Contingencies	CNE Location	Frequency (%)
#1	**Branch 220 kV**	**ES**	**32.2 %**
	Base Case		24.1 %
	N-1 Contingency 400 kV [FR-ES]		8.0 %
#2	**Tie Line 400 kV**	**FR-ES**	**24.1 %**
	Contingency [ES]		22.3 %
	N-1 Contingency 400 kV [FR-ES]		1.8 %
#3	**Branch**	**FR**	**22.3 %**
	N-1 Contingency 400 kV [FR-ES]		22.3 %
#4	**Tie Line 220 kV**	**FR-ES**	**8.9 %**
	N-1 Contingency 400 kV [FR-ES]		4.5 %
	N-1 Contingency 400 kV [FR-ES]		4.4 %
#5	**Tie Line 225 kV**	**FR-ES**	**8.9 %**
	N-1 Contingency 400 kV [FR-ES]		8.9 %
#6	**Branch 400 kV**	**FR**	**3.6 %**
	Base Case		3.6 %

Limiting elements ES-FR

Please find below the top limiting elements appearing more often over the period:

	CNEs and associated Contingencies	CNE Location	Frequency (%)
#1	**Tie Line 220 kV**	**FR-ES**	**39.9 %**
	Base Case		3.4 %
	N-1 Contingency 400 kV [ES-FR]		36.4 %
#2	**Tie Line 225 kV**	**FR-ES**	**20.3 %**
	Base Case		7.6 %
	N-1 Contingency [ES-FR]		12.7 %
#3	**Branch 220 kV**	**ES**	**19.5 %**
	N-2 Contingency 400 kV [ES]		19.5 %
#4	**Branch**	**FR**	**9.3 %**
	N-1 Contingency 400 kV [FR]		9.3 %
#5	**Branch 400 kV**	**ES**	**7.6 %**
	N-2 Contingency 220 kV [ES]		7.6 %
#6	**Branch 220 kV**	**ES**	**3.4 %**
	Base Case		3.4 %

Limiting elements PT-ES

Please find below the top limiting elements appearing more often over the period:

	CNEs and associated Contingencies	CNE Location	Frequency (%)
#1	**Tie Line 400 kV**	**ES-PT**	**69.3 %**
	N-2 Contingency 400 kV [PT-ES]		69.4 %
#2	**GLSK limitation**		**21.0 %**
	Base Case		21.0 %
#3	**Angle Limitation**	**PT**	**9.7 %**
	N-2 Contingency 400 kV [PT-ES]		9.7 %

*GLSK limitation row includes GLSK limitations and flow divergences divisions

Limiting elements ES-PT

Please find below the top limiting elements appearing more often over the period:

	CNEs and associated Contingencies	CNE Location	Frequency (%)
#1	**Angle Limitation**	**PT**	**65.5 %**
	N-2 Contingency 400 kV [PT-ES]		65.5 %
#2	**Branch 400 kV**	**PT**	**31.9 %**
	N-2 Contingency 400 kV [PT-ES]		31.9 %
#3	**GLSK limitation**		**2.6 %**
	Base Case		2.6 %

*GLSK limitation row includes GLSK limitations and flow divergences divisions